

ABSTRACT OF THE DISCLOSURE

A motor driving system includes a power supply unit,
a voltage-stabilizing unit, a signal-generating unit,
5 a comparing unit, and a control unit. The power supply
unit provides an input supply voltage to each other
unit in the system. The voltage-stabilizing unit
includes a voltage-stabilizing element and produces
a constant voltage. The signal-generating unit
10 generates an input signal, which varies with high and
low levels of the input supply voltage. The comparing
unit compares the constant voltage with the input signal
to generate a comparison signal. The control unit
controls a motor's rotating speed according to the
15 comparison signal generated by the comparing unit.
When the input supply voltage is low, a lowest rotating
speed is set for the control unit to control the rotating
of the motor.